

Title (en)
Engine emissions analyzer with diagnostic

Title (de)
Diagnosevorrichtung mittels Analyse von Maschine-Emissionen

Title (fr)
Dispositif diagnostique d'analyse des émissions d'un moteur

Publication
EP 0816820 A3 19990120 (EN)

Application
EP 97201622 A 19970530

Priority
US 67215996 A 19960627

Abstract (en)
[origin: EP0816820A2] A method for analyzing automotive vehicle emissions wherein significant engine events are detected and logged over a test period and are applied to a model defining the emissions impact of such events to yield a vehicle emissions estimate for the test period with a diagnostic for diagnosing a deviation in performance of emissions control systems away from an expected performance and for correcting the vehicle emissions estimated to reflect the operating condition of the emissions control systems. The corrected estimates are stored and/or indicated. The logging of the events and the estimating, storing and indicating the emissions may be carried out on-board the vehicle. Further estimating, storing and indicating may be provided off-board the vehicle by downloading the logged events and diagnostic information to an external analyzer.

IPC 1-7
G01M 15/00

IPC 8 full level
G01M 15/10 (2006.01)

CPC (source: EP US)
G01M 15/102 (2013.01 - EP US)

Citation (search report)

- [YD] US 5431042 A 19950711 - LAMBERT DAVID K [US], et al
- [Y] WO 9613014 A1 19960502 - ANR PIPELINE CO [US]
- [A] WO 9504878 A1 19950216 - PAVILION TECH INC [US]

Cited by
GB2410560B; US6732032B1; US6604033B1; USRE47422E; US9008894B2; US6785605B2; WO0214828A3; WO02073019A3; US8437903B2; US8843263B2; US6968679B2; US9097195B2; US10198880B2; US9129456B2; US9599041B2; US9790872B2; US9945302B2; US10041422B2

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 0816820 A2 19980107; EP 0816820 A3 19990120; US 5750886 A 19980512

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EP 97201622 A 19970530; US 67215996 A 19960627